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November 15, 2011

Sean Sheldrake
Project Coordinator
U.S. EPA, Region 10
1200 Sixth Avenue, M/S ECL-111
Seattle, Washington 98101

Re: October 2011 Monthly Progress Report
Administrative Settlement Agreement and Order on Consent for Removal Action
U.S. EPA Region 10 Docket No. CERCLA 10-2009-0255
Gasco Sediments Site within the Portland Harbor Superfund Site

Project Number: 000029-02.28

Dear Mr. Sheldrake:

This monthly progress report provides information required by Section VIII, Paragraph 26, of the Administrative Settlement Agreement and Order on Consent for Removal Action (Order) for actions take in October 2011 at the Gasco Sediments Site within the Portland Harbor Superfund Site.

1. ACTIONS TAKEN IN THIS MONTH AND PROBLEMS ENCOUNTERED

The following actions and correspondences occurred in this month:

- **October 1-30** – Continued completion of laboratory analysis and data validation on the samples collected during completion of the re-sampling addendum to the *Final Project AIR and Data Gaps QAPP*.
- **October 3** – Anchor QEA provided electronic mail agreement that NW Natural will complete the EPA-directed extractable petroleum hydrocarbon (EPH) analysis on sediment and shoreline bank soils collected as part of the re-sampling addendum. Anchor QEA proposed that the *Draft Engineering Evaluation/Cost Analysis (EE/CA)* document development start date initiate upon receipt of EPA's comments on the

EE/CA technical briefing presentation and follow up agreement and resolution on those comments. Further, Anchor QEA proposed that, upon receipt and review of the EPA comments, NW Natural propose a Draft EE/CA document development duration based on the nature of the EPA comments to ensure sufficient time for integration of all agreed upon comments and responses.

- **October 4** – EPA approved Anchor QEA’s proposal to initiate the Draft EE/CA following resolution of EPA’s comments on the EE/CA technical briefing and determination of the appropriate document development duration based on the nature of the EPA comments.
- **October 12** – Anchor QEA submitted a letter response to EPA’s direction to complete EPH analysis on sediment and shoreline bank soils collected as part of the re-sampling addendum.
- **October 14** – Anchor QEA submitted the Gasco Sediments Site monthly progress report to EPA.
- **October 19** – Anchor QEA and NW Natural provided EPA, DEQ, and other stakeholders a technical briefing on the remedial footprints, technologies, and alternatives to be described in the EE/CA per the Statement of Work requirement.
- **October 24** – Anchor QEA uploaded the EE/CA technical briefing onto a secure website for download by EPA, DEQ, and other stakeholders.

2. RESULTS OF SAMPLING, TESTS, AND OTHER DATA RECEIVED

The results of the monthly visual monitoring of the shoreline area in the direct vicinity of the pilot cap are provided as Attachment A. The field sampling results obtained during completion of the EPA-approved *Final Project AIR and Data Gaps QAPP* and subsequent EPA-approved addendum will be reported in the *Draft EE/CA and Data Report*.

3. SCHEDULE OF ACTIVITIES FOR THE NEXT MONTH

Anchor QEA anticipates the following activities to occur in the next month:

- Submittal of the November monthly progress report.
- Completion of monthly visual monitoring of the pilot cap area.
- Completion of laboratory analyses of EPA-directed EPH analyses.
- Receipt of EPA comments on the EE/CA technical presentation. NW Natural will develop a response to comments and proposal for start date and document development duration for the Draft EE/CA when comments are received.

4. ANTICIPATED PROBLEMS AND PROPOSED RESOLUTIONS

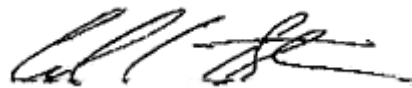
No problems or unforeseen conditions were encountered.

Please contact the undersigned if you have any questions or require additional information.

Sincerely,



Ryan Barth, P.E.
Assistant Project Manager



Carl Stivers, Partner
Project Manager

Attachments:

Attachment A Monthly Visual Monitoring Report for Pilot Cap Vicinity

Cc:

Bob Wyatt, NW Natural

Patty Dost, Pearl Legal Group PC

Tom McCue, Siltronic Corporation

Alan Gladstone and Hanne Eastwood, Davis Rothwell Earle and Xochihua

James Peale, Maul Foster Alongi, Inc.

Lance Peterson, Camp Dresser McKee

Matt McClincy, DEQ

Dana Bayuk, DEQ



Visual Observations Log Form

Date October 13, 2011 **Project Number:** 000029-02 BG-28 Task 4a

Location: NW Natural "Gasco" Site

Project Name: NW Natural – Gasco

Monitoring Period: Monthly (Year 5)—October 2011

Time Observations Started: October 13, 2011 @ 13:30 **Time Observation Concluded:** October 13, 2011 @ 14:30

Weather Conditions: Cloudy, 50-58 degrees Fahrenheit, winds 3-8 knots from the north.

Wave Action Observations: Light wave action (0.1 – 0.4 feet in height)

Photographs Taken: ☒ Yes ☐ No

Tidal Conditions: Willamette River level on 10/13/2011 ranged in elevation from 1.92 to 5.27 feet. The Willamette River level during photos was approximately 2.03 feet measured at 14:00 (River Level Elevation Datum: Morrison Gage Height).

Observations of Erosion/Deposition: No erosion/deposition is evident along the shoreline. Four organoclay mat material segments are exposed and visible. One section of organoclay mat is 20 feet in length and is visible at the upriver extent of the cap area (Photo 1). Near the midpoint of the cap area shoreline, two segments 4-foot and 2-foot in width are exposed approximately 10 feet from the water's edge. A 30-foot section of mat material is exposed near the downriver extent of the cap.

Observations of Long-term Controls (i.e., oil booms, organo-clay mat, etc.) During the observation, the Fuel and Marine Marketing (FAMM) containment boom was placed around a fuel barge moored at the ship dock. Buoys that identify the cap area to mariners are in place as installed. The position of the FAMM oil boom, warning buoys, and a general overview of the site shoreline is shown in Photo 2.

Other Comments: No sheen is evident in or around the cap area. Photo 3 shows the water surface and shoreline immediately downriver of the sediment cap.

Recorded by: **Douglas Laffoon**

Photo 1—*exposed section of organoclay mat, perpendicular to the shoreline near upriver extent of cap area (10/13/11):*



Photo 2 — *FAMM oil boom shown around fuel barge and mariner warning buoys in place across pilot cap area. (10/13/11):*



Photo 3 — *Conditions immediately downriver of cap area (10/13/11):*

